| Index of Claims |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|-----------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
|                 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

| _ | Application No. | Applicant(s)       |
|---|-----------------|--------------------|
|   | 09/498,995      | WATANABE, TAKAFUMI |
|   | Examiner        | Art Unit           |
|   | Jung W Kim      | 2132               |

| <b>/</b> | Rejected | - | (Through numeral)<br>Cancelled |
|----------|----------|---|--------------------------------|
| =        | Allowed  | + | Restricted                     |

| N | Non-Elected  |
|---|--------------|
|   | Interference |

Jung W Kim

| Α | Appeal   |
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| 0 | Objected |

| Claim Date |          |          |  |          | Claim Date |        |   |   |           |   |       | CI       | aim | Date          |   |               |               |        |        |       |          |                 |         |                         |         |          |        |         |        |
|------------|----------|----------|--|----------|------------|--------|---|---|-----------|---|-------|----------|-----|---------------|---|---------------|---------------|--------|--------|-------|----------|-----------------|---------|-------------------------|---------|----------|--------|---------|--------|
|            |          | 7        | [  |          |            |        |   |   |           |   |       | <u>-</u> |     | П             |   |               | П             |        |        |       | =        |                 |         |                         |         |          |        | П       | П      |
| Final      | Original | h 0/02/  | L  |          |            |        |   |   |           |   | Final | Original |     |               |   |               |               |        |        | Final | Original |                 |         |                         |         |          |        |         |        |
| iĒ.        | Ĕ,-      | ž        |  |          |            |        |   | H | i         |   | ίĒ    | Ę,       |     |               |   |               |               |        |        | 正     | iχ       |                 |         |                         |         |          |        |         |        |
|            |          | 8        |  |          |            |        |   |   |           |   |       |          |     |               |   |               |               |        |        |       | )        |                 |         |                         |         |          |        |         |        |
|            | 4        |          |  | $\equiv$ |            |        |   |   | T         | - |       | 51       |     |               |   |               |               |        |        |       | 101      |                 |         |                         |         |          |        |         |        |
|            | 2        |          |  | $\equiv$ |            |        |   |   | 1         | ١ | _     | 52       |     |               |   |               |               |        |        |       | 102      |                 |         |                         |         |          |        |         |        |
|            | 3_       |          |  | _        |            |        |   |   |           | _ |       | 53       |     |               |   |               |               |        |        |       | 103      |                 |         |                         | <u></u> |          |        |         |        |
|            | 4-       |          |  |          |            |        |   |   |           |   |       | 54       |     |               |   |               |               |        |        |       | 104      |                 |         |                         |         |          |        |         |        |
|            | - 5      |          |  |          | -          |        |   |   | $\exists$ | - |       | 55       |     |               |   |               |               |        |        |       | 105      |                 |         |                         |         |          |        |         |        |
|            | -6       | _        | _  | _        | _          |        |   |   |           | - |       | 56       |     | $\perp \perp$ |   |               | Ш             |        |        |       | 106      |                 | $\perp$ |                         |         |          |        | $\Box$  |        |
|            | 7_       | _        | <u> </u>                                     | <u> </u> | _          | _      | _ |   |           | = |       | 57       |     |               |   |               | Ш             |        |        |       | 107      |                 |         |                         |         | Ш        |        | $\perp$ |        |
|            | 8        | U        | <u>t                                    </u> |          |            |        |   |   |           |   |       | 58       |     |               |   |               | Ш             |        |        |       | 108      |                 |         |                         |         | Ш        |        | _       |        |
|            | 9        | $\sim$   | <u> </u>                                     |          |            |        |   |   |           |   |       | 59       |     |               |   |               |               |        |        |       | 109      |                 |         |                         |         | Ш        |        |         |        |
|            | 10       | <u>ب</u> | <u></u>                                      |          |            |        |   |   |           |   |       | 60       |     |               |   |               |               |        |        |       | 110      |                 |         |                         |         |          |        |         |        |
|            | 11       | V        |  |          |            |        |   |   |           |   |       | 61       |     |               | $\perp$   |               |               |        |        |       | 111      |                 |         |                         |         | $\sqcup$ |        |         |        |
|            | 12       | ۲        |  | $\Box$   |            |        |   |   |           |   |       | 62       |     |               |   |               |               |        |        |       | 112      |                 |         |                         |         |          |        |         |        |
|            | 13       | V        | 匚  | 匚        |            |        |   |   |           |   |       | 63       |     |               |   |               |               |        |        |       | 113      |                 |         |                         |         | Ш        |        |         |        |
|            | 14       | ب        | 匸  | L        |            | $\Box$ |   |   |           |   |       | 64       |     |               | _[_   |               |               |        |        |       | 114      |                 |         |                         |         |          |        |         |        |
|            | 15       | ١        | ł  |          |            |        |   |   |           |   |       | 65       |     |               |   |               |               |        |        |       | 115      |                 |         |                         |         |          |        |         |        |
|            | 16       | U        |  |          |            |        |   |   |           |   |       | 66       |     |               | $\Box$  |               |               |        |        |       | 116      |                 |         |                         |         |          |        |         |        |
|            | 17       | -        | 1  |          |            |        |   |   |           |   |       | 67       |     | $\Pi$         |   |               |               |        |        |       | 117      |                 |         |                         |         |          |        |         |        |
|            | 18       |          |  |          |            |        |   | П |           |   |       | 68       |     |               |   |               |               |        |        |       | 118      |                 |         |                         |         |          |        |         |        |
|            | 19       |          |  |          |            |        |   |   |           |   |       | 69       |     |               |   |               |               |        |        |       | 119      |                 |         |                         |         |          |        |         |        |
|            | 20       |          |  |          |            |        |   |   |           |   |       | 70       |     | П             |   |               |               |        |        |       | 120      |                 |         |                         | П       |          |        |         |        |
|            | 21       |          |  |          |            |        |   | П |           |   |       | 71       |     | П             |   |               |               |        |        |       | 121      |                 |         |                         |         |          |        |         |        |
|            | 22       |          |  |          |            |        |   | П |           |   |       | 72       |     | П             |   | 1             |               |        |        |       | 122      |                 |         |                         |         |          |        |         | $\neg$ |
| _          | 23       |          |  |          |            |        |   | П |           |   |       | 73       |     |               |   |               | $\Box$        |        |        |       | 123      |                 |         | T                       |         |          |        | Ţ       |        |
|            | 24       |          |  |          |            |        |   | П |           |   |       | 74       |     |               |   |               |               |        |        |       | 124      |                 |         |                         |         |          |        |         |        |
|            | 25       | П        |  |          |            |        |   | П |           |   |       | 75       |     |               |   |               |               |        |        |       | 125      |                 |         |                         | Π       |          | $\Box$ | Ţ       |        |
|            | 26       |          | П  |          |            |        |   |   |           |   |       | 76       |     | П             |   | T             |               |        |        |       | 126      |                 |         |                         |         |          |        |         | $\Box$ |
|            | 27       |          |  | Γ        |            |        |   |   |           |   |       | 77       |     |               |   |               |               |        |        |       | 127      |                 |         |                         |         |          |        |         |        |
|            | 28       |          |  |          |            |        |   |   |           |   |       | 78       |     |               |   |               |               |        |        |       | 128      |                 |         |                         |         |          |        |         |        |
|            | 29       |          | Γ  |          |            |        |   |   |           |   |       | 79       |     |               |   | $\top$        | $\prod$       |        |        |       | 129      |                 |         |                         |         |          |        |         |        |
|            | 30       |          |  |          |            |        |   |   |           |   |       | 80       |     | I             | $\neg \neg$                                       |               | $\Box$        |        |        |       | 130      |                 |         |                         |         |          |        |         |        |
|            | 31       |          |  |          |            |        |   |   |           |   |       | 81       |     |               |   |               |               |        |        |       | 131      |                 |         |                         |         |          |        |         |        |
|            | 32       |          |  |          |            |        |   |   |           |   |       | 82       |     |               |   | $\perp$       |               |        |        |       | 132      |                 |         | $oxed{oxed}$            |         |          |        |         |        |
|            | 33       |          |  |          |            |        |   |   |           |   |       | 83       |     | $\Box$        |   |               |               |        | ]      |       | 133      | $\Box$          |         | $\mathbb{I}$            |         |          |        |         |        |
|            | 34       |          |  |          |            |        |   |   |           |   |       | 84       |     |               | T   |               |               |        |        |       | 134      | $\Box$          |         |                         |         |          |        |         |        |
|            | 35       |          |  |          |            |        |   |   |           |   |       | 85       |     | $oxed{\Box}$  |   |               |               |        |        |       | 135      |                 |         | $oldsymbol{\mathbb{L}}$ |         |          |        |         |        |
|            | 36       |          |  |          |            |        |   |   |           |   |       | 86       |     |               | $oldsymbol{oldsymbol{oldsymbol{oldsymbol{\Box}}}$ |               |               |        |        |       | 136      |                 |         |                         |         |          |        |         |        |
|            | 37       |          |  |          |            |        |   |   |           |   |       | 87       |     | $\Box$        |   | $oxed{oxed}$  |               |        |        |       | 137      |                 |         | $oxed{oxed}$            |         |          |        |         |        |
|            | 38       |          |  |          |            |        |   |   |           |   |       | 88       |     | $\Box$        |   |               |               |        | ]::::  |       | 138      | $\Box$          |         |                         |         |          |        |         |        |
|            | 39       |          |  |          |            |        |   |   |           |   |       | 89       |     |               |   |               | П             |        | ]::::: |       | 139      |                 |         | Ι                       |         |          |        |         |        |
|            | 40       |          |  |          | Г          |        |   | П |           |   |       | 90       |     |               |   | 1             |               |        |        |       | 140      |                 |         | T                       |         |          |        | $\Box$  |        |
|            | 41       |          |  |          | Γ          | П      |   | П |           |   |       | 91       |     |               | $\neg$  |               | $T^{\dagger}$ |        | ]::::  |       | 141      | $\neg \uparrow$ | _       | $\top$                  | Т       |          |        |         |        |
|            | 42       |          | Π  |          | Π          |        |   |   |           |   |       | 92       |     |               |   |               | 1.1           |        | ]      |       | 142      |                 |         | $\top$                  |         |          |        |         |        |
|            | 43       | Г        | П  |          |            |        |   | П |           |   |       | 93       |     |               | $\neg$  |               | $\sqcap$      | $\neg$ |        |       | 143      | $\Box$          |         | T                       |         |          |        | コ       |        |
|            | 44       |          |  | Г        |            |        |   | П |           |   |       | 94       |     |               |   | T             | $\Box$        |        | ]      |       | 144      |                 |         |                         |         |          |        | T       |        |
|            | 45       |          |  |          | Γ          |        |   | П |           |   |       | 95       |     |               | _   |               | $\sqcap$      |        | ]::::  |       | 145      |                 |         |                         |         |          |        |         | $\Box$ |
|            | 46       |          |  | T        | Π          | Г      |   | П |           |   |       | 96       |     |               | $\top$  | $\top$        | $\Box$        |        | ]      |       | 146      | $\sqcap$        |         | Τ                       |         |          |        | $\neg$  | $\neg$ |
| $\Box$     | 47       | T        | T  |          | П          |        |   | П | П         |   |       | 97       |     | $\top$        | $\neg \vdash$                                     | $\top$        | $\sqcap$      |        | 1      |       | 147      |                 |         | T                       | $\top$  |          |        | 寸       | $\neg$ |
|            | 48       |          |  |          |            |        |   | П |           |   |       | 98       |     |               | $\neg$  | $\neg \vdash$ | $\sqcap$      |        | ]      |       | 148      |                 | $\neg$  | $\top$                  |         |          |        | $\neg$  | $\neg$ |
|            | 49       | Π        |  |          |            |        |   | П |           |   |       | 99       |     | 1 1           |   |               |               |        | ::::   |       | 149      |                 |         |                         |         |          |        |         | $\neg$ |
|            | 50       |          |  |          |            |        |   |   |           | _ |       | 100      |     | $\perp$       |   | I             |               |        |        |       | 150      |                 |         | Ι                       |         |          |        |         | $\Box$ |
|            |          |          |  |          |            |        |   |   |           | _ | <br>  |          |     |               |   |               |               |        | - ' '  |       |          |                 |         |                         |         |          |        |         |        |